

USES OF TRANSGENIC ANIMALS CONTAINING
A TYPE X COLLAGEN MUTANT

Abstract for disclosure

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This invention provides an isolated DNA comprising the sequence which codes for a mutated collagen X or a portion thereof wherein the expression of said DNA regulates bone growth. This invention provides a polypeptide encoded by the isolated DNA comprising the sequence which codes for a mutated collagen X or a portion thereof wherein the expression of said DNA regulates bone growth. This invention also provides a polypeptide which comprise the portion of the mutated collagen X capable of regulating bone growth. This invention further provides a transgenic animal comprising an isolated DNA comprising the sequence which codes for a mutated collagen X or a portion thereof wherein the expression of said DNA regulates bone growth.

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